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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

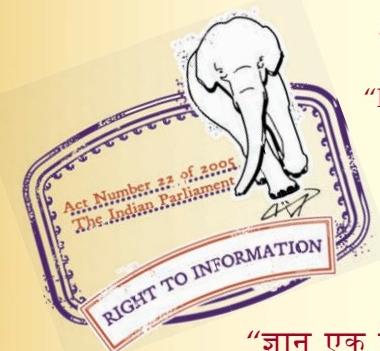
“Step Out From the Old to the New”

IS 8886-13 (1980): ships ordinary rectangular windows, Part 13: Details of frame, non-opening heavy type, Welded Windows [TED 17: Shipbuilding]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaran Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*Indian Standard*

SPECIFICATION FOR SHIPS' ORDINARY RECTANGULAR WINDOWS

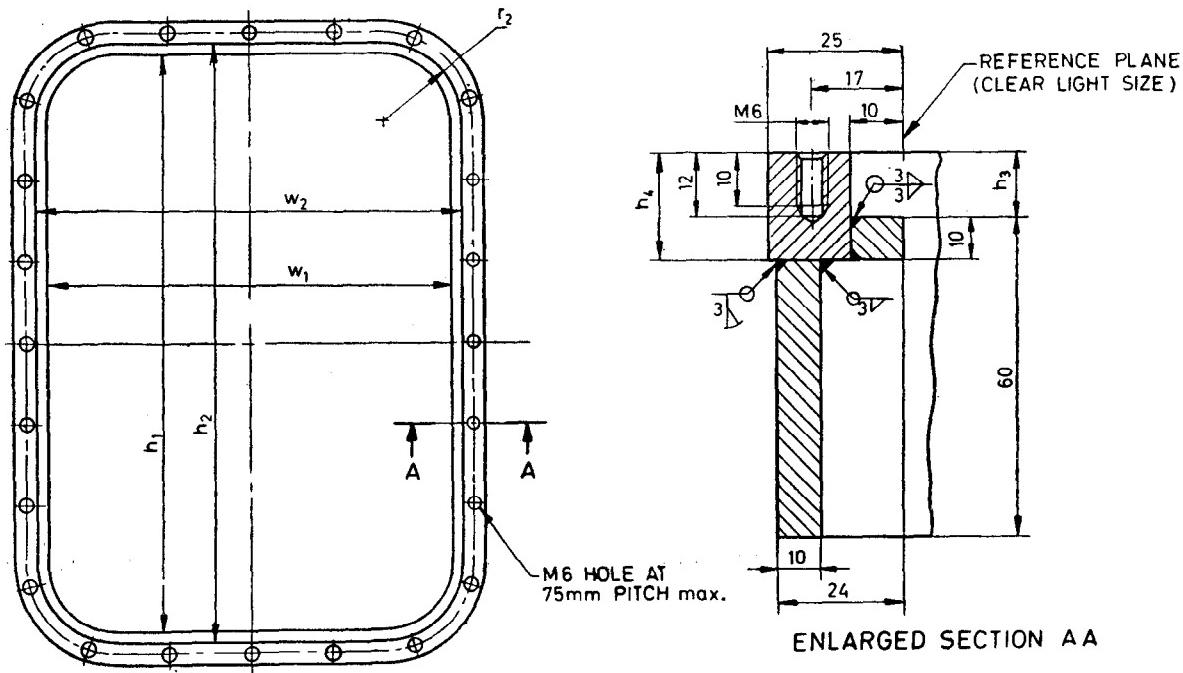
PART XIII DETAILS OF FRAME, NON-OPENING, HEAVY TYPE WELDED WINDOWS

- 1. Scope** — Specifies the dimensions of frame for non-opening, heavy type welded windows.
- 2. Terminology** — For the purpose of this standard, the terms and definitions given in IS : 8886 (Part I)-1978 'Specification for ships' ordinary rectangular windows: Part I Types and dimensions' shall apply.
- 3. Material** — The material used for the construction of frame shall be according to IS : 8886 (Part II)-1978 'Specification for ships' ordinary rectangular windows: Part II General requirements'.
- 4. Dimensions** — The dimensions of frame shall be as given in Table 1. For main dimensions of windows, see IS : 8886 (Part I)-1978.
- 5. Tolerances** — The tolerances on dimensions shall conform to coarse series of IS : 2102-1969 'Allowable deviations for dimensions without specified tolerances (first revision)' except on those dimensions indicated in Table 1.

TABLE 1 DIMENSIONS OF FRAME, NON-OPENING HEAVY TYPE WELDED WINDOWS

(Clauses 4.1 and 5)

All dimensions in millimetres.



Window No.	Nominal Size $w_1 \times h_1$	$w_3 \times h_3$	r_3	h_3	h_4
1	300 × 425	321 × 446	60·5	13	23
2	355 × 500	376 × 521	60·5	13	23
3	400 × 560	421 × 581	60·5	15	25
4	450 × 630	471 × 651	110·5	15	25
5	500 × 710	521 × 731	110·5	18	28
6	560 × 800	581 × 821	110·5	18	28
7	900 × 630	921 × 651	110·5	22	32
8	1 000 × 710	1 021 × 731	110·5	22	32

E X P L A N A T O R Y N O T E

This standard is one of a series of Indian Standards on ship's rectangular windows. Other standards in the series are:

- Part I Types and dimensions**
- Part II General requirements**
- Part III Positioning**
- Part IV Details of position of lugs for hinges and swing bolts and securing holes on the frame**
- Part V Details of frame, inward opening, side hinged, heavy type bolted windows**
- Part VI Details of frame, inward opening, side hinged, light type bolted windows**
- Part VII Details of frame, inward opening, side hinged, heavy and light type welded windows**
- Part VIII Details of frame, inward opening, top hinged, heavy type bolted windows**
- Part IX Details of frame, inward opening, top hinged, light type bolted windows**
- Part X Details of frame, inward opening, top hinged, heavy and light type welded windows**
- Part XI Details of frame, non-opening, heavy type bolted windows**
- Part XII Details of frame, non-opening, light type bolted windows**
- Part XIII Details of frame, non-opening, heavy type welded windows**
- Part XIV Details of frame, non-opening, light type welded windows**
- Part XV Details of frame, outward opening, side hinged, heavy type bolted windows**
- Part XVI Details of frame, outward opening, side hinged, light type bolted windows**
- Part XVII Details of frame, outward opening, side hinged, heavy and light type welded windows**
- Part XVIII Details of glass holder, inward opening, side hinged, heavy and light type bolted and welded windows**
- Part XIX Details of glass holder, outward opening, side hinged, heavy and light type bolted and welded windows**
- Part XX Details of glass holder, top hinged, heavy and light type bolted and welded windows**
- Part XXI Details of hinge pin**
- Part XXII Details of swing bolts and wing nuts**

In the preparation of this standard assistance has been derived from the following:

ISO 3903-1977 Shipbuilding — Ships' ordinary rectangular windows. International Organization for Standardization (ISO).

DIN 81650-1967 Rectangular windows for ships, directives for construction. Deutsches Institut für Normung.